ABSTRACT

A circuit (1) for compensating for temperature with a sensor operating by the eddy current principle for measuring physical conditions of an object. The circuit includes an evaluation unit (3) for evaluating a measuring signal (100) of the sensor (2). The sensor (2) and the evaluation unit (3) are interconnected via a connection cable (4). For the purpose of minimizing or preventing to the greatest extent temperature caused interferences, an additional compensation line (5) is provided which compensates for the temperature of the connection cable (4). A corresponding method for compensating for temperature is described.

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